

CLAIMS

1. A clamp for holding two elongate members so that they extend at a preset angle from each other, comprising:
  - 5 two clamp portions each having co-operating engaging surfaces, each clamp portion having an axial bore extending perpendicularly to the engaging surfaces and a receiving portion for holding one of the elongate members;  
an elongate stem or rod, passing through the bore of
  - 10 the clamp portions and attached at one end to a lever or handle for rotating the stem in the bore, and a cam acting between the stem and at least one of the clamp portions so that the clamp portions can be moved from a position in which the engaging surfaces are not engaged to a position
  - 15 in which the engaging surfaces co-operatively engage by rotating the lever in a first direction by approximately 90°.
2. A clamp according to claim 1, in which the stem (19)
- 20 has a radial flange (21) at the other end for holding the clamp portions together.
3. A clamp according to claims 1 or 2, in which the cam includes a track (32a) on one of the clamp portions, and a
- 25 co-operating protruding element (30) on the stem, the protruding element being arranged to ride on the track in use.
4. A clamp according to claim 3, and further having a cam
- 30 mechanism (32b, 28) for separating the clamp portions (12, 14) when the lever is turned in a second direction.
5. A clamp according to any proceeding claim, in which the clamp is suitable for allowing a full 360° range of preset
- 35 angles between the elongate members held therein.
6. A clamp according to any previous claim, in which the

engaging surfaces have interlocking elements such as teeth (16).

5 7. An umbrella head designed to be supported on a pole (42), the umbrella head having a shaft portion (44) ribs extending outwardly from the shaft portion to support a cover, a runner slidably mounted on the shaft portion and stretchers extending radially from the said runner to the ribs, and a clamp (10, 10', 10'') for releasably attaching  
10 the umbrella head to the pole.

8. An umbrella assembly including an umbrella head according to claim 7, and at least two elongate poles (42) for supporting at least one umbrella head, one  
15 substantially vertical and one cantilevered, similarly clamped together.

9. An umbrella assembly according to claim 8 and including at least two such umbrella heads.  
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10. An umbrella assembly according to claim 9 and including at least two standing poles and two cantilever poles, each pole being connected to at least one other pole connected in a matrix for supporting umbrella heads.  
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11. An umbrella assembly according to any of claims 8 to 10, connected together by clamps according to any of claims 1 to 6.

30 12. An umbrella assembly according to any of claims 8 to 11 wherein a (10'') clamp is disposed at the top of the umbrella head.

35 13. A kit of parts comprising poles, clamps and umbrella heads, that can be assembled to form an umbrella assembly according to claim 11.